

Converting Colors

CIELCh(47, 24.958, 139.409)

Have a look what the booklet for
CIELCh(47, 24.958, 139.409)
contains.

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Color

CIELCh(47, 25.515, 139.032)

Conversions

Conversions Part 1

Format	Color
Hex	587853
RGB	88, 120, 83
RGB Percent	35%, 47%, 33%
CMY	0.6563, 0.5309, 0.6759
CMYK	0.27, 0.00, 0.31, 0.53
HSL	112°, 18%, 40%
HSV	112°, 31%, 47%
XYZ	12.2098, 16.0195, 10.5610
YIQ	106.2140, -7.1950, -18.2910

Conversions

Conversions Part 2

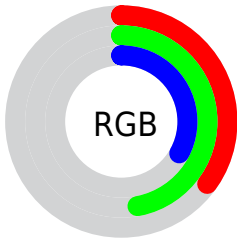
Format	Color
R_{YB}	83, 120, 115
Decimal	5797971
CIE _{Lab}	47.00, -19.27, 16.73
CIE _{LCh}	47, 25.515, 139.032
Yxy	16.0195, 0.3148, 0.4130
Android (android.graphics.Color)	4283988051 (0xFF587853)
YUV	106.2140, -11.4445, -15.9737
Hunter-Lab	40.0243, -15.5895, 12.3725

Details

The CIELCh color $47, 25.515, 139.032$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $40, 25.731, 322.091$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 25.044, 138.991$, and $27, 25.107, 139.227$ is the 20% darker color. If you saturate the color by 10%, you get $46, 33.623, 138.338$, and if you desaturate by 10%, it is $48, 17.260, 139.659$.

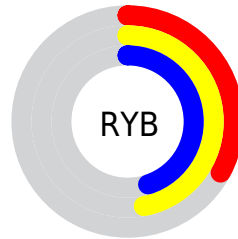
Distribution



Red (35%)

Green (47%)

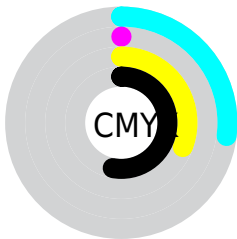
Blue (33%)



Red (33%)

Yellow (47%)

Blue (45%)

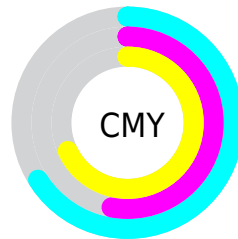


Cyan (27%)

Magenta (0%)

Yellow (31%)

Black (53%)



Cyan (66%)


Magenta (53%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 25.515, 139.032 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 47, 25.515, 139.032 by changing the saturation by 10% instead.


 47, 25.515,
139.032


 47, 25.515,
139.032


 100, 25.515,
139.032


 37, 25.515,
139.032

 67, 25.515,
139.032


 27, 25.515,
139.032


 77, 25.515,
139.032

 17, 25.515,
139.032

 87, 25.515,
139.032

 7, 25.515, 139.032

 97, 25.515,
139.032

 0, 25.515, 139.032

 47, 25.515,

 47, 25.515,

139.032

139.032

■ 46, 33.623,
138.338

■ 48, 17.260,
139.659

■ 45, 41.423,
137.592

■ 49, 8.972, 140.217

■ 45, 48.713,
136.833

■ 50, 0.740, 140.888

■ 51, 7.373, 321.071

■ 44, 55.231,
136.125

■ 53, 15.324,
321.437

■ 44, 60.667,
135.570

■ 54, 23.085,
321.744

■ 44, 64.705,
135.283

■ 56, 30.638,
322.006

■ 43, 67.518,
135.012

■ 57, 37.978,
322.228

■ 59, 45.102,

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47, 25.515, 139.032



40, 25.731, 322.091

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47, 25.515, 139.032



47, 25.515, 189.032



47, 25.515, 319.032



47, 25.515, 9.032

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47, 25.516, 139.033



63, 9.165, 140.306



48, 18.510, 99.961



33, 6.423, 140.243



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 25.516, 139.033



59, 37.769, 138.553



47, 20.656, 153.917



24, 4.548, 140.317



44, 68.653, 135.032



86, 117.010, 135.426

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40, 25.731, 322.091



49, 38.130, 322.388



40, 20.971, 338.648



23, 4.566, 321.100



25, 67.794, 323.223



54, 115.032, 322.956

Previews

White Background



This preview shows how the CIELCh color 47, 25.515, 139.032 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 47, 25.515, 139.032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

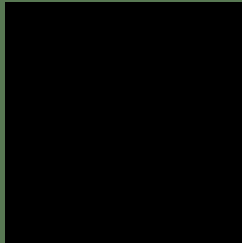
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 25.515, 139.032

Background



This preview shows how black text looks on a background with the CIELCh color 47, 25.515, 139.032.



This preview shows how white text looks on a background with the CIELCh color 47, 25.515, 139.032.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

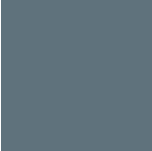
47, 25.515, 139.032

Protanopia

47, 19.203, 95.316

Deuteranopia

47, 16.756, 70.120



Tritanopia
47, 9.106, 239.581

Trichromacy



Original Color
47, 25.515, 139.032

Protanomaly
47, 20.018, 115.065

Deuteranomaly
47, 16.466, 103.255

Tritanomaly
47, 10.394, 174.695

Monochromacy



Original Color
47, 25.515, 139.032

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 9.227, 141.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 25.515, 139.032 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(88, 120, 83)` looks like.

```
.text, #text, p{  
    color:rgb(88, 120, 83)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(88, 120, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 120, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 25.515, 139.032 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(88, 120, 83) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(88, 120, 83) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(88, 120, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 120, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 120, 83);  
box-shadow:4px 4px 4px 4px rgb(88, 120,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 25.515, 139.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 120, 83) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(88, 120,  
83) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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